

(PRIOR ART)

Example Configuration Data File for the Primary Name Server of the foo.IBM.com Zone

| | | | |
|-----|---------|--------------|-------------|
| 205 | primary | foo.IBM.com | db.foo.IBM |
| 210 | primary | stanford.edu | db.stanford |
| | ... | | |

Figure 2A

Example db.foo.IBM Zone Data File for the foo.IBM.com Zone

foo.IBM.com. IN SOA ns1.WebHostingCompany.com. postmaster.WebHostingCompany.com. (

;;; information for slave name servers

| | |
|-------|--|
| 1837 | ;;; serial number for this version of the zone data file |
| 1800 | ;;; refresh after 30 minutes |
| 900 | ;;; retry after 15 minutes |
| 86400 | ;;; expire after 1 week |
| 1800 | ;;; minimum Time To Live (TTL) of 30 minutes |
|) | |

;;; name servers for the zone

| | | |
|----|----|----------------------------|
| IN | NS | ns1.WebHostingCompany.com. |
| IN | NS | bar |

;;; mail server

| | | |
|----|----|-------------------------------------|
| IN | MX | 5 mailserver.WebHostingCompany.com. |
|----|----|-------------------------------------|

;;; addresses

| | | | |
|-----|----|---|---------------|
| @ | IN | A | 216.23.39.188 |
| foo | IN | A | 216.23.39.180 |
| bar | IN | A | 216.23.46.83 |

;;; aliases

| | | | |
|----------|----|-------|------------------|
| smtp | IN | CNAME | @ |
| www | IN | CNAME | @ |
| ftp | IN | CNAME | foo.foo.IBM.com. |
| bigdaddy | IN | CNAME | bar |

Figure 2B

Example Partial Zone Data File for the IBM.com Zone

;;; delegation of subzone foo.IBM.com to authoritative name servers for the subzone

| | | | | |
|------------------|-------|----|----|----------------------------|
| foo | 86400 | IN | NS | ns1.WebHostingCompany.com. |
| | 86400 | IN | NS | bar.foo.IBM.com. |
| bar.foo.IBM.com. | 86400 | IN | A | 216.23.46.83 |

Figure 2C



THE SOURCE FOR .CC DOMAIN NAMES

300

Register Your .CC Domain Now!

DOMAIN NAME: .CC

SUBMIT

303

Now offering International
Character Domains
CLICK HERE TO REGISTER

域名

LATIN-1 NOW AVAILABLE!

Español
Deutsch

Français
and 16 MORE ...

WIN
UP TO **\$35,000**

If your site is selected as the
Best Designed .CC Web Site

Click Here
For Details



WEB HOSTING

STARTING AT

\$9.99/mo!



ENIC HOME



Welcome to the eNIC network information center. We are proud to announce a wealth of domain name services such as faster domain name registration, unmatched technology and domain availability, as well as immediate domain management and editing.

If you have experienced trouble in the past while trying to get your name on the web, you have come to the right place. The .cc TLD makes domain names that were unavailable in the past, now available to you. Register now and find the best domain for your company or personal endeavor.

eNIC provides **FREE** web and email forwarding with a paid domain registration.

.CC names work worldwide exactly as do .COM names.

If you have any questions regarding your domain name please email hostmaster@nic.cc.

DOMAIN NAME: .CC

SUBMIT

Type a domain name in the box above to check availability of a .CC domain name and register it.

Interested in receiving commissions for the promotion of .cc domain sales through a banner or with your own registration site? [Join eNIC's Partner Program.](#)



304

NEW NAME



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



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Fig. 3A

e|nic

THE SOURCE FOR .CC DOMAIN NAMES

305

☒ REGISTER A NEW NAME

Select an encoding

309

| | | | | |
|---|---------------------------------------|---------------------------|--------------------------|------------------------|
| 繁體中文 Chinese (Big 5) Traditional | 簡體中文 Chinese (GB) Simplified | 日本語 Japanese (SJIS) | 日本語 Japanese (EUC) | 한국어 Korean (KSC) |
| Big 5 | GB2312 | Shift JIS | EUC-JP | KSC5601 |

Latin 1 (ISO 8859-1)

| | |
|-----------------------------------|---|
| <u>Afrikaans</u> Afrikaans | <u>Shqip</u> Albanian |
| <u>Euskara</u> Basque | <u>Català</u> Catalan |
| <u>Dansk</u> Danish | <u>Nederlands</u> Dutch |
| <u>Føroya</u> Faroese | <u>Suomea</u> Finnish |
| <u>Français</u> French | <u>Deutsch</u> German |
| <u>Islensku</u> Icelandic | <u>Gæilge</u> Irish |
| <u>Norsk</u> Norwegian | <u>Portuguìs</u> cv/br/ru Portuguese |
| <u>României</u> Rhaeto-Romanic | <u>Scotts Gæilge</u> Scottish |
| <u>Español</u> Spanish | <u>Kiswahili</u> Swahili |
| <u>Svenska</u> Swedish | MORE COMING SOON! |

307

域名

DOMAINS

á ß ç ö
û

eDOMAINS



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



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Fig. 3B

e/nic

THE SOURCE FOR .CC DOMAIN NAMES

☒ REGISTER A NEW NAME

Search For a New Domain Name

DOMAIN NAME: .CC

312

Encoding

iso8859-1

314

SUBMIT

International Domain Name Registration Surcharge:
Waived

310

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[POLICIES](#) [PAYMENTS](#) [FAQ](#) [HOME](#)

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DOMAINS



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Fig. 3C

e|nic

THE SOURCE FOR .CC DOMAIN NAMES

☒ REGISTER A NEW NAME

Search For a New Domain Name

319 { **Warning!** Changing the Encoding Type will reset the cart.
BIG5 | KSC5601 | ShiftJIS | EUC-J | GB2312

DOMAIN NAME: .CC

316

Encoding

KSC5601

318

SUBMIT

International Domain Name Registration Surcharge:
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315

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Fig. 3D

삼성 회사 320

KSC5601: 0xC701 0xB1B9 ~ 322
Unicode: U+D55C U+AD6D ~ 323
UTF-5 ACE T55C QD6D ~ 324

Fig. 3E

327

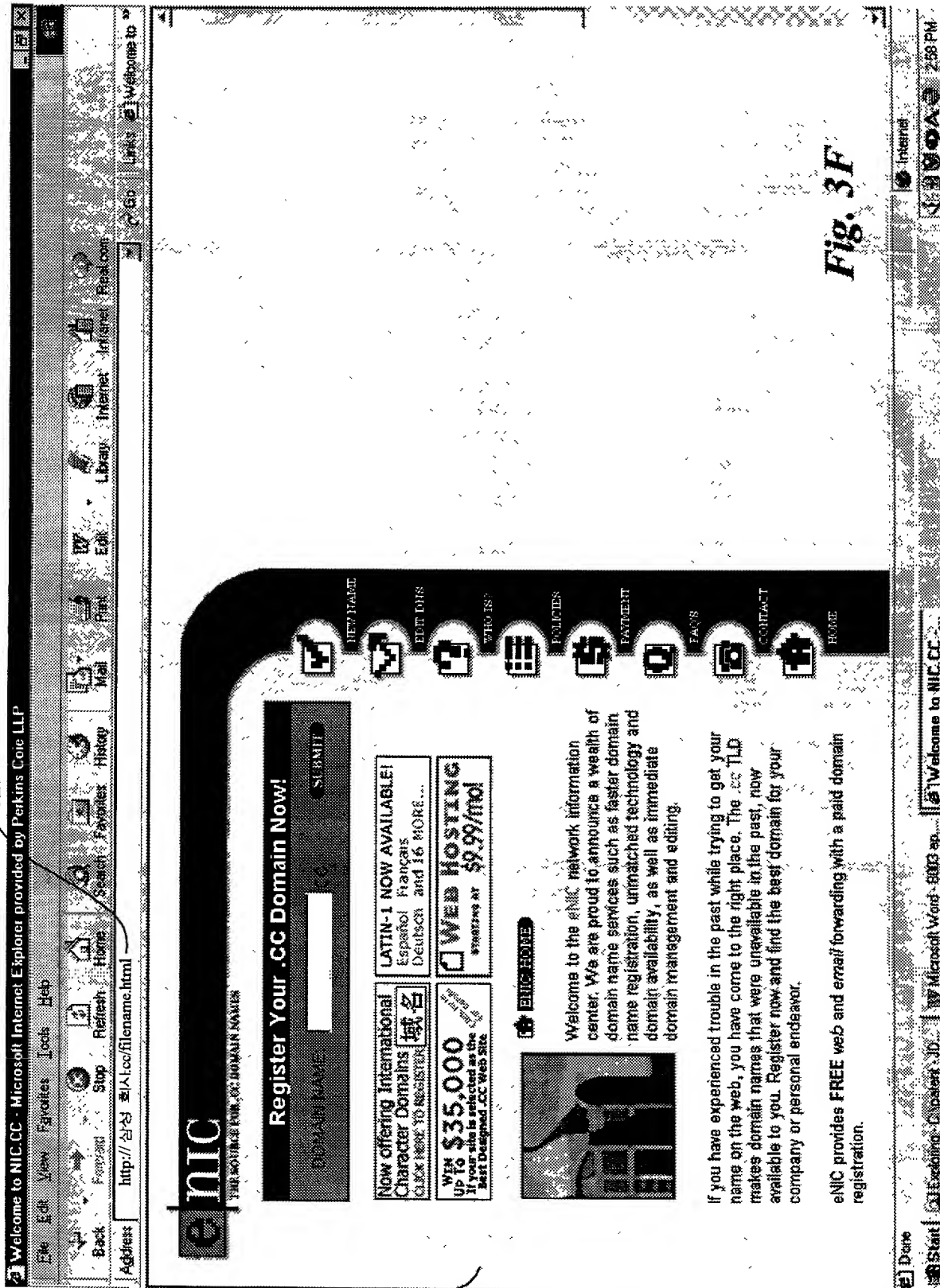


Fig. 3F



all samsung websites

검색

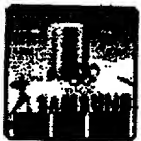
삼성전자, 세계 최대의 반도체 생산 시설



삼성전자가 세계 최대의 반도체 생산 시설인 2000년 9월 6일 / 삼성 [more >>](#)

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27일은 삼성전자 창립 27주년



27일은 삼성전자 창립 27주년인 2000년 9월 27일 / 삼성 [more >>](#)

삼성전자 소개

Quick Link

Select

- > 삼성전자
- > 삼성전
- > 삼성

삼성전자 소개

삼성전자의 대표 제품인 디지털 제품들을 소개합니다.

다운로드

제품 소개서와 파일과 매뉴얼을 제공합니다.

삼성그룹 가족보

삼성그룹의 다양한 제품과 서비스를 소개합니다.

2000-10-

| 종목 | 지수 |
|----------|----------|
| KOSPI | 598.45 ▼ |
| KOSDAQ | 95.79 . |
| KOSPI200 | 74.32 . |

Fig. 3G

Example Multilingual Domain Name Registry Database

| | 337 | 339 |
|-----|--|--------------|
| | ASCII And ASCII-Compatible Encoding Domain Names | Registrant |
| 340 | alpha.cc | Bob Smith |
| 342 | amethyst-rings.cc | Jim Jones |
| 344 | : | |
| 346 | race.cc | Helen Keller |
| 348 | ra--b971b054.cc | Chun Ahn |
| 350 | ra--t55cqd6d.cc | Doug White |
| 352 | reckless.cc | Billy TheKid |
| | : | |

Fig. 3H

Example db.CC Zone Data File for a ".CC" Zone

```

cc.           IN      SOA      ns1.nic.cc.           postmaster.nic.cc.      (
;;; information for slave name servers
                        1837          ;;; serial number for this version of the zone data file
                        1800          ;;; refresh after 30 minutes
                        900           ;;; retry after 15 minutes
                        86400         ;;; expire after 1 week
                        1800          ;;; minimum Time To Live (TTL) of 30 minutes
                        )
;;; name servers for the zone
                        IN      NS      ns1.nic.cc.
                        IN      NS      ns2.nic.cc.
                        IN      NS      ns1.globaldns.com.

;;; addresses
@                IN      A      226.23.39.188
alpha            IN      A      225.78.83.242
amethyst-rings  IN      A      178.123.32.138
:
ns1.nic          IN      A      225.31.53.23
:
race             IN      A      225.31.32.45
reckless         IN      A      67.79.35.15
:
*                IN      A      234.71.83.24
  
```

Fig. 3I

Example Multilingual Domain Name Binary Variants Database

| | 362 | 364 | 366 | 368 |
|-----|-----------------|---|--------------------------|----------------------|
| | Binary Variants | Corresponding Registered Domain Name | Encoding Type | Primary Or Secondary |
| 370 | b971b054 | ra--b971b054.cc | Big 5 | 1 |
| 371 | 1b244245453f76 | ra--b971b054.cc | JIS | 0 |
| 372 | 93649075 | ra--b971b054.cc | Shift-JIS | 0 |
| 373 | b5e7d1b6 | ra--b971b054.cc | GB2312 | 0 |
| 374 | b5e7d38d | ra--b971b054.cc | GB2312 | 0 |
| 375 | b971b074 | ra--b971b054.cc | Big 5 | 0 |
| 376 | c2b971c2b054 | ra--b971b054.cc | "Dumb UTF-8" | 0 |
| 377 | c2b971c2b074 | ra--b971b054.cc | Lower-cased "Dumb UTF-8" | 0 |
| 378 | c5c5bfd6 | ra--b971b054.cc | EUC-JP | 0 |
| 379 | e794b5e8a88a | ra--b971b054.cc | UTF-8 | 0 |
| 380 | e794b5e8aeaf | ra--b971b054.cc | UTF-8 | 0 |
| 381 | e99bbbe8a88a | ra--b971b054.cc | UTF-8 | 0 |
| 382 | e99bbbe8aeaf | ra--b971b054.cc | UTF-8 | 0 |
| 383 | eb8ad1b6 | ra--b971b054.cc | GB2312 | 0 |
| 384 | eb8ad38d | ra--b971b054.cc | GB2312 | 0 |
| 385 | efb3e3f2 | ra--b971b054.cc | KSC 5601 | 0 |
| | | : | | |
| 386 | cd38sl93 | ra--cd38s193.cc | KSC 5601 | 1 |
| | | : | | |

Fig. 3J

Example ACE Forwarding Database

| | 388 | 389 | |
|-----|------------------|------------------------------------|-----|
| | ACE Domain Names | URL Forwarding | |
| | : | | |
| 394 | ra--b971b054.cc | 228.32.98.20 | |
| 396 | ra--t55cqd6d.cc | http://www.samsung.com/korean.html | ... |
| | : | | |

Fig. 3K

Domain Registered in Traditional Chinese Big 5

電訊.cc

Traditional Chinese Big 5 (1 variant)

電配

Simplified Chinese GB (4 variants)

電訊 電訊 電訊 電訊

Japanese Shift-JIS (1 variant)

電訊

Japanese JIS (1 variant)

Does not display correctly.

Japanese EUC-JP (1 variant)

電訊

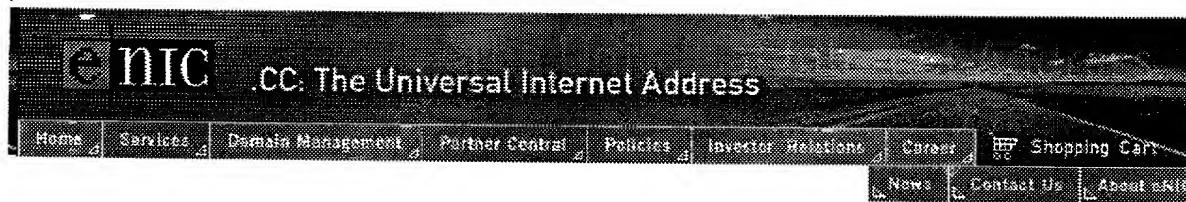
Korean KSC (1 variant)

電訊

UTF-8 (6 variants)

1q°T 1q°t 電訊 電訊 電訊 電訊

Fig. 3L



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[Lookup by Reference Code](#)
[Multilingual INF/FAQ](#)

English only? Not here!

Pick the language that works for you. We did the work to make it easy. You can register your site in more than 28 active Asian, Middle Eastern and European languages.

This is not a test. Our system works.

While some of our competitors provide a "testbed" version of multilingual software, we've delivered a fully-functional system that works for thousands of dot.cc customers.

We provide different forms of the same languages, so you can register your site in traditional and simplified Chinese or different Japanese character sets. We make it easy to ensure that all variants of a domain name point to the same site.

We're bringing the world to the World Wide Web.

Select a Language or Encoding to use:

[Asian](#) | [Arabic](#) | [Hebrew](#) | [European](#) / [African](#) / [Americas](#)

Asian Language

(Chinese / Japanese / Korean encodings)

| | | | | |
|-------------|------------|-----------|----------|----------|
| 繁體中文 | 简体中文 | 日本語 | 日本語 | 한국어 |
| Chinese | Chinese | Japanese | Japanese | Korean |
| Big5 | GB | SJIS | EUC | KSC |
| Traditional | Simplified | | | |
| Big5 | GB 2312 | Shift-JIS | EUC-JP | KSC 5601 |

Arabic Language

(ISO 8859-6 encoding)

العربية
Arabic

فارسی
Persian

اردو
Urdu

Fig. 3M

Hebrew Language

(ISO 8859-8 encoding)

עברית

Hebrew

יידיש

Yiddish

Latin 1 Language

(ISO 8859-1 encoding)

Afrikaans

Afrikaans

Euskara

Basque

Dansk

Danish

Føroya

Faroese

Français

French

Íslensku

Icelandic

Italiano

Italian

Português

cv/br/pt Portuguese

Scotts Gæilge

Scottish

Kiswahili

Swahili

Shqip

Albanian

Català

Catalan

Nederlands

Dutch

Suomea

Finnish

Deutsch

German

Gæilge

Irish

Norsk

Norwegian

României

Rhaeto-Romanic

Español

Spanish

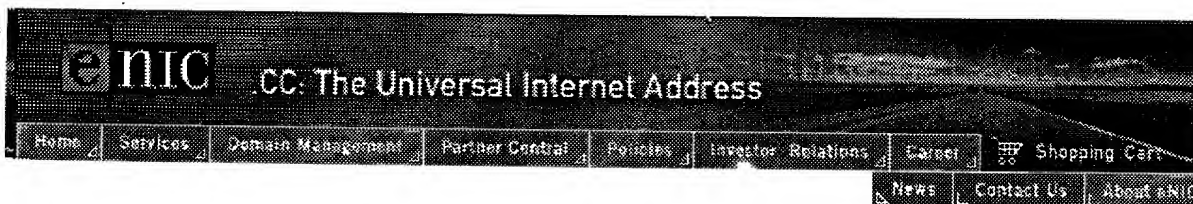
Svenska

Swedish

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Fig. 3N



Satisfied Customers

.CC
Works
For Me!

Testimonials

Search For a New Domain Name

[Arabic](#) [Chinese Simplified](#) [Chinese Traditional](#) [Hebrew](#)
[Japanese EUC JP](#) [Japanese S JIS](#) [Korean](#) [Latin 1](#)

Changing the Encoding Type will reset the shopping cart.

Encoding Type: KSC 5601

.CC

International Domain Name Registration Surcharge: Waived

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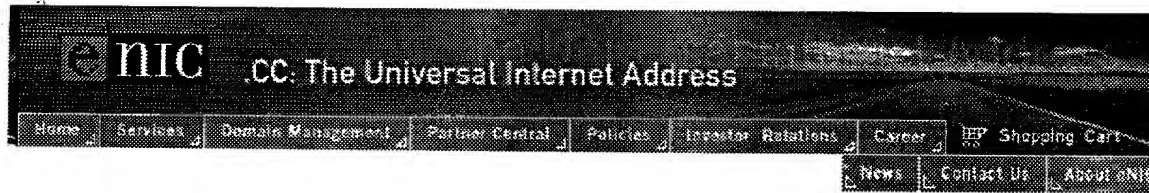
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Fig. 30

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Fig. 3P



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[Multilingual INFO/FAQ](#)

Search Results for 'application'

Select up to 5 Domain names

Add to Cart

| | | |
|--------------------------|------------|---|
| <input type="checkbox"/> | 用途 .cc | application |
| <input type="checkbox"/> | 应用 .cc | application |
| <input type="checkbox"/> | 应用程序 .cc | application |
| <input type="checkbox"/> | 申请书 .cc | application |
| not available | 申请 .cc | application (form, etc.) |
| <input type="checkbox"/> | 应用层 .cc | application layer |
| <input type="checkbox"/> | 应用平台 .cc | application platform |
| <input type="checkbox"/> | 应用程序介面 .cc | application programming interface |
| <input type="checkbox"/> | 应用软件 .cc | application software |
| <input type="checkbox"/> | 应用软体 .cc | application software |
| <input type="checkbox"/> | 专用集成电路 .cc | application-specific integrated circuit |
| <input type="checkbox"/> | 商业应用 .cc | business application |
| <input type="checkbox"/> | 客户应用 .cc | client application |
| <input type="checkbox"/> | 网络应用 .cc | network application |
| <input type="checkbox"/> | 网路应用 .cc | network application |
| <input type="checkbox"/> | 实际应用 .cc | practical application |
| not available | 招聘 .cc | take job applications |
| <input type="checkbox"/> | 典型用途 .cc | typical application |

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Fig. 3Q

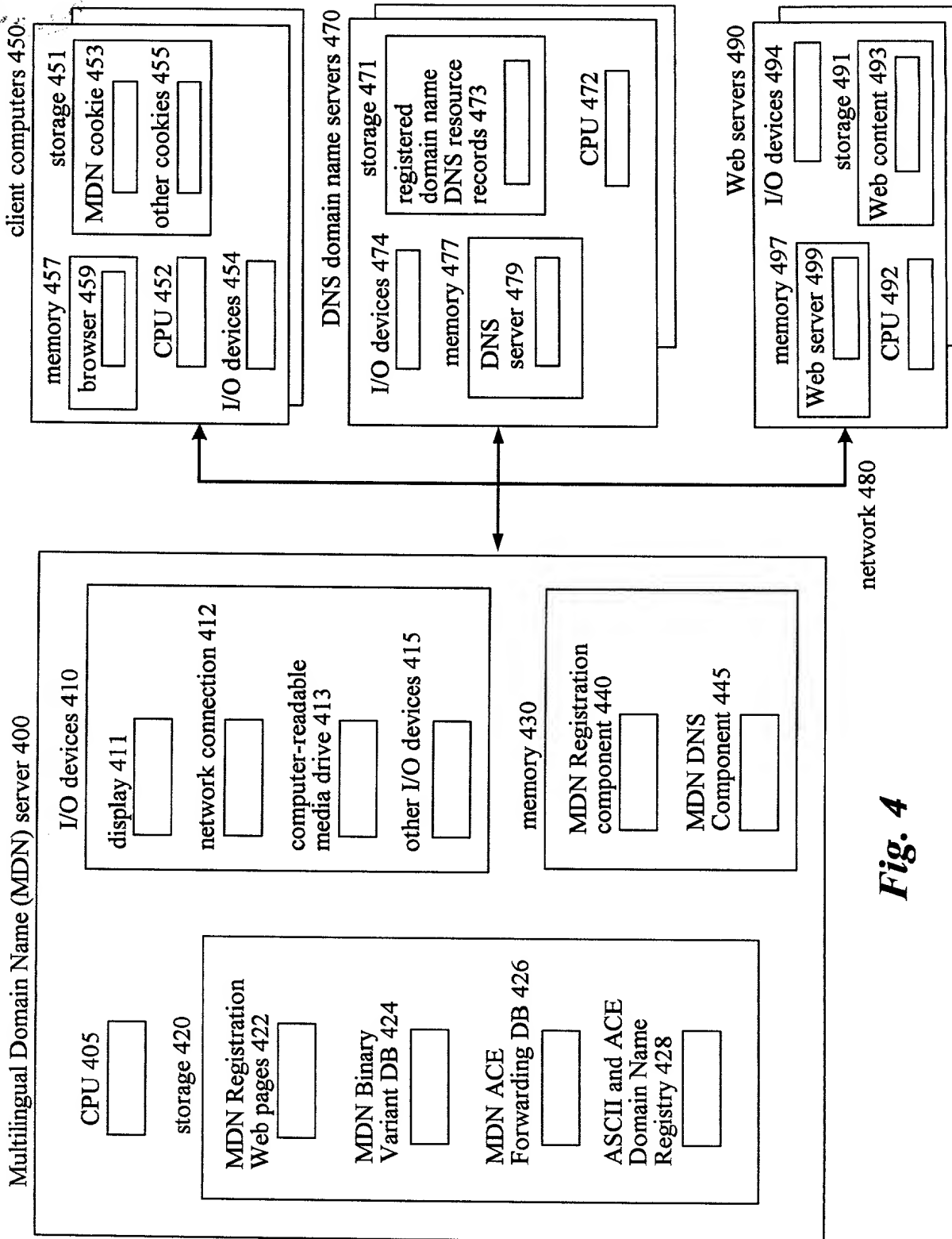


Fig. 4

Fig. 5

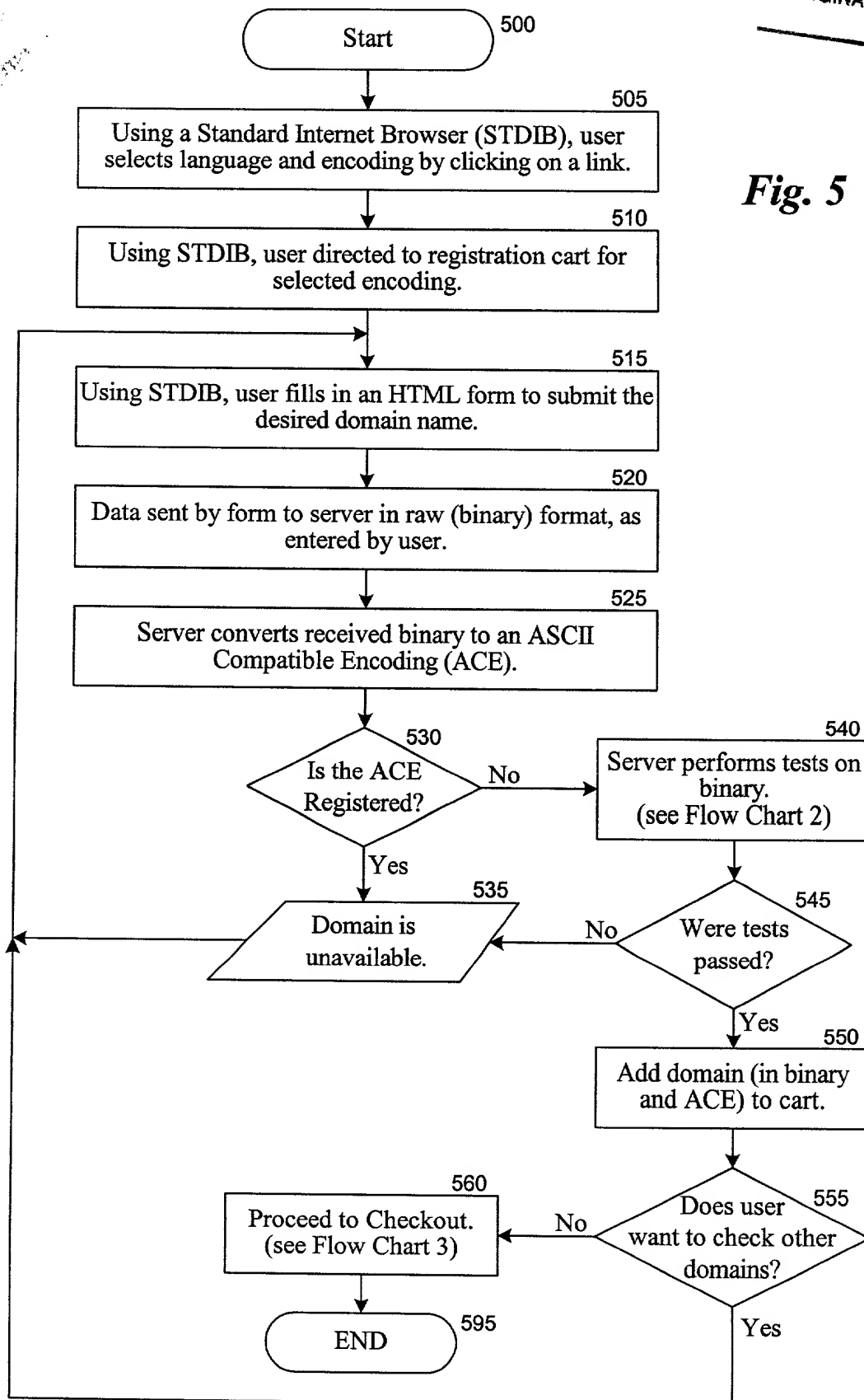


Fig. 6

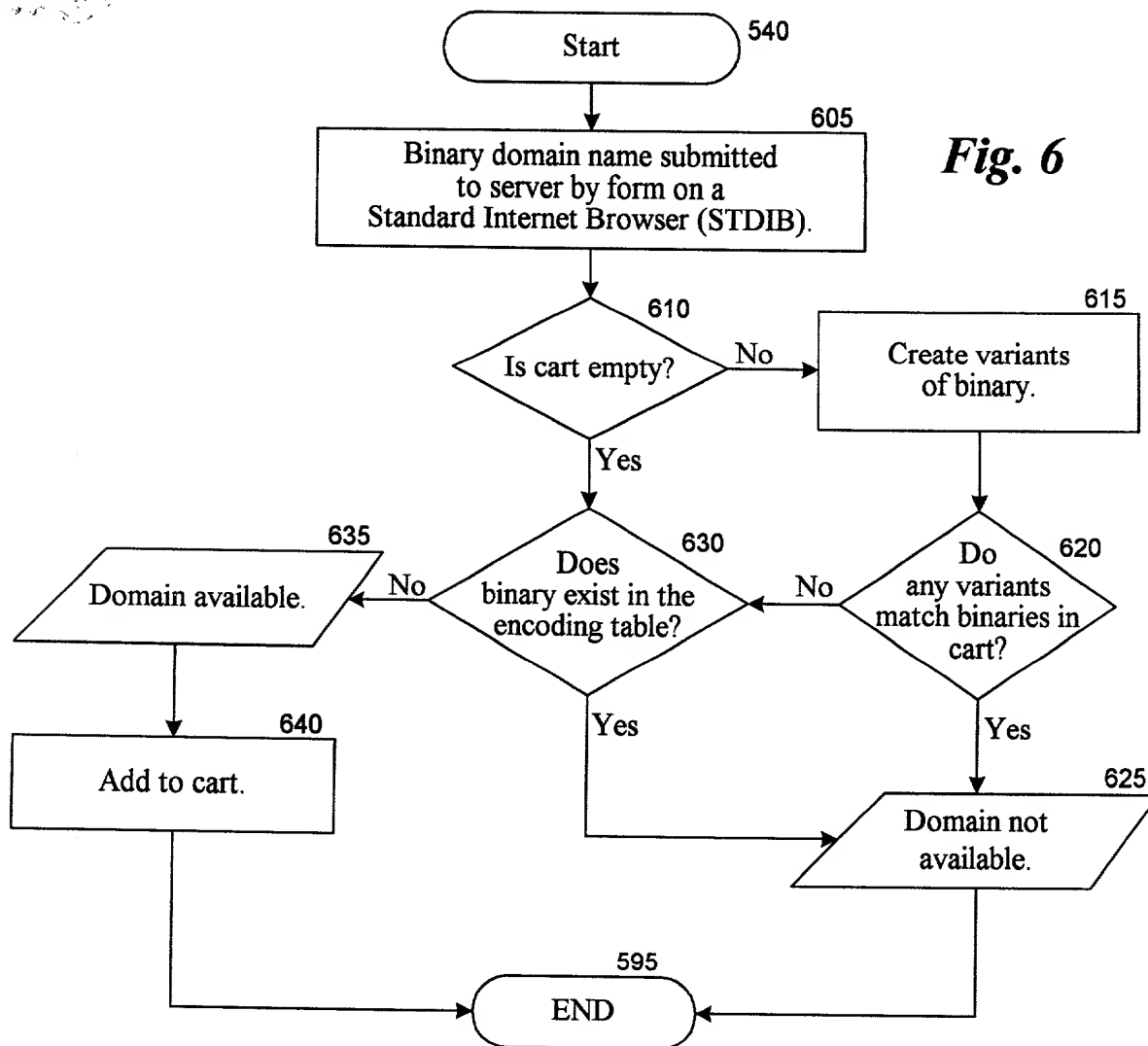
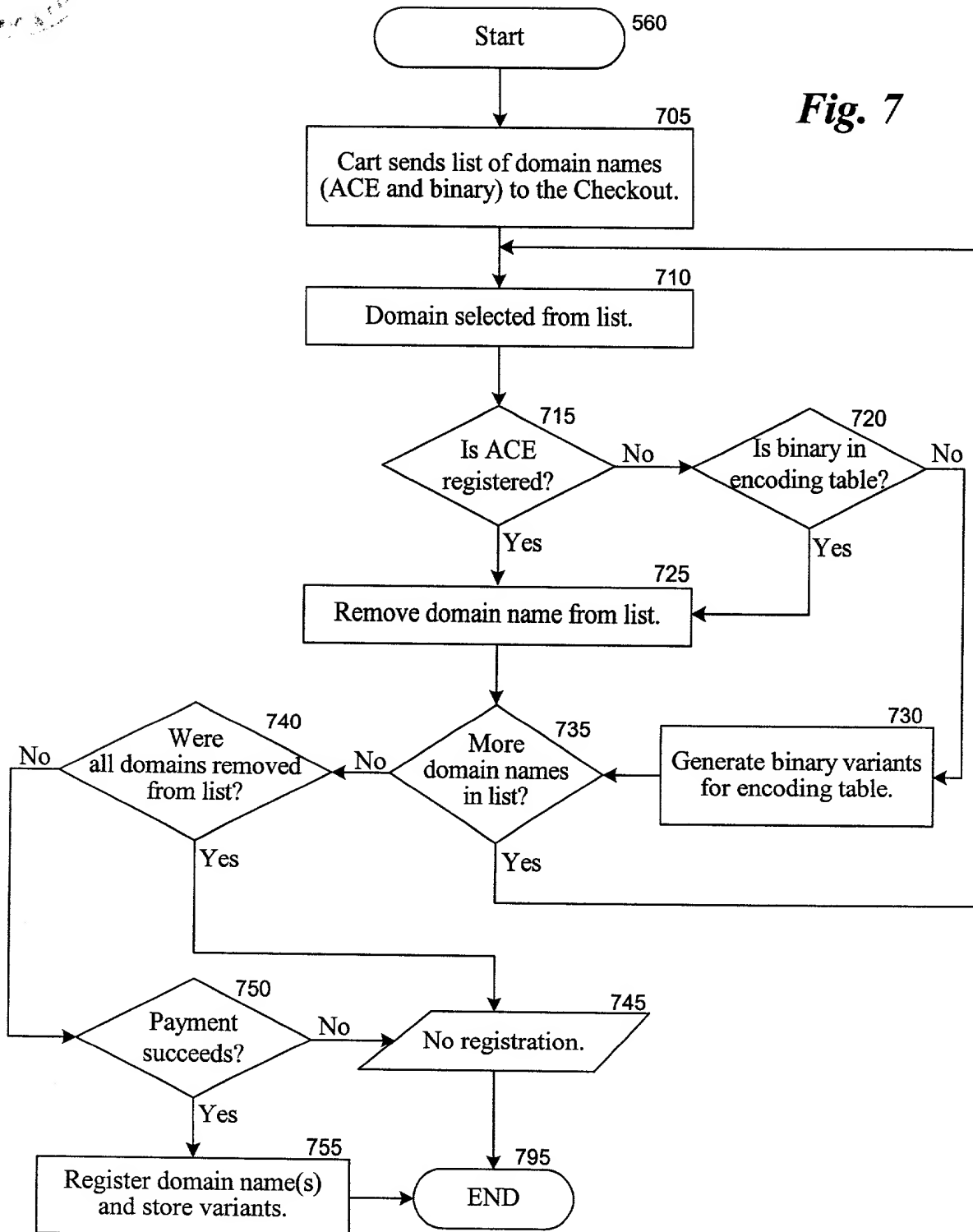


Fig. 7



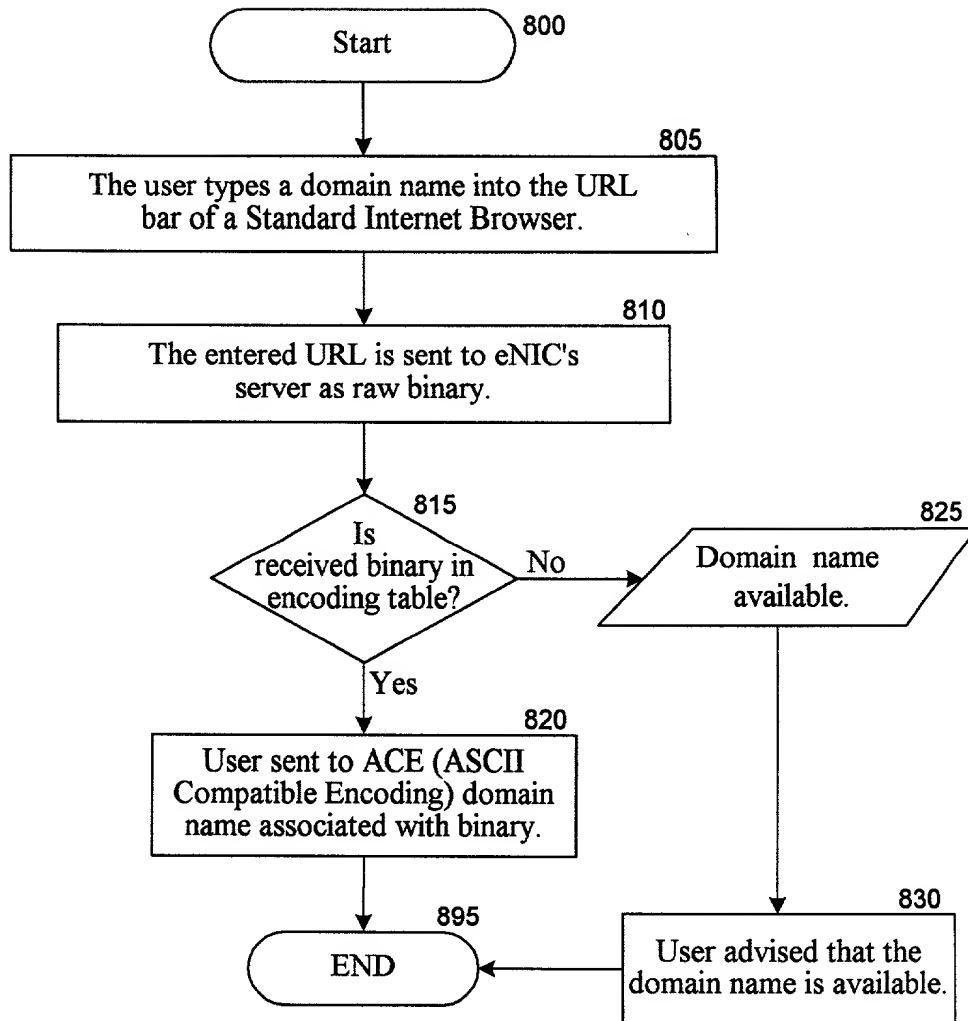


Fig. 8